

Guide for Final Project Proposals

Jeremy G. Siek

October 30, 2009

Your proposal for a final project should answer the following questions.

1. Who are the members of your team? The minimum number of members is 4. Your team should consist of all undergraduate students or all graduate students, unless you get special permission from the instructor. Graduate projects will be held to a higher standard than the undergraduate projects.
2. What problem will your project try to solve?
3. Give one or more example Python programs that exhibit the problem that you are trying to solve.
4. What is the general approach that you intend to use to solve the problem? Why do you think that approach will solve the problem? What resources (papers, book chapters, etc.) do you plan to base your solution on? Is there one in particular that you plan to follow? What about your solution will be similar? What will be different?
5. What specific changes do you plan to make to your compiler to implement your project? Which passes of the compiler will change? Will you need to insert new passes?
6. What quantitative affect will your solution have on the example Python programs?

Your proposal should be concise and specific. Do not be long-winded or vague. You will not be graded on the length of the proposal, but you will be graded on how many interesting things you say.